

JSC

11/24/2003 13:52 FAX 603 684 3245

BSTZ - LAKE OSWEGO

004/012

RECEIVED
CENTRAL FAX CENTER

NOV 24 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY # 15
07/15
TL

Appl. No. : 09/738,686
Applicant : Crafts, Douglas E.
Filed : December 15, 2000
TC/A.U. : 2839
Examiner : Le, Thanh Tam T
Docket No. : 042390.P10312
Customer No. : 008791

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Sir,

In response to the Office Action mailed September 8, 2003, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.

BEST AVAILABLE COPY

FACSIMILE: (503) 684-3245

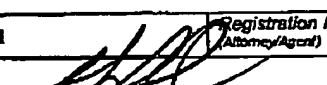
RECEIVED
CENTRAL FAX CENTER
NOV 24 2003

OFFICIAL

BEST AVAILABLE COPY

FEE TRANSMITTAL for FY 2003		<i>Complete if Known</i>	
<small>Effective 01/01/2003. Patent fees are subject to annual revision.</small>		Application Number	09/738,686
		Filing Date	December 15, 2000
		First Named Inventor	Douglas E. Crafts
		Examiner Name	Thanh Tam T. Le
		Group/Art Unit	2839
		Attorney Docket No.	42390PI0312
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.			
TOTAL AMOUNT OF PAYMENT (\$)		0.00	

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																		
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input checked="" type="checkbox"/> None <input type="checkbox"/> Deposit Account	3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>135</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>60</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>2053</td> <td>130</td> <td>2053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,420</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of AIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of AIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>65</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>650</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,210</td> <td>2255</td> <td>605</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1404</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>2451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>65</td> <td>Petition to revive - Unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1802</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>135</td> <td>2460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(u)</td> <td></td> </tr> <tr> <td>1808</td> <td>180</td> <td>1808</td> <td>180</td> <td>Submission of Information Disclosure Sheet</td> <td></td> </tr> <tr> <td>9021</td> <td>40</td> <td>9021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>770</td> <td>1809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>800</td> <td>1802</td> <td>800</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	135	2051	65	Surcharge - late filing fee or oath		1052	60	2052	25	Surcharge - late provisional filing fee or cover sheet		2053	130	2053	130	Non-English specification		1812	2,420	1812	2,520	For filing a request for ex parte reexamination		1804	920*	1804	920*	Requesting publication of AIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of AIR after Examiner action		1251	110	2251	65	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	650	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	1,210	2255	605	Extension for reply within fifth month		1404	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	280	2403	145	Request for oral hearing		1451	1,510	2451	1,510	Petition to institute a public use proceeding		1452	110	2452	65	Petition to revive - Unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1802	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	135	2460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(u)		1808	180	1808	180	Submission of Information Disclosure Sheet		9021	40	9021	40	Recording each patent assignment per property (times number of properties)		1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	800	1802	800	Request for expedited examination of a design application	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																														
Fee Code		Fee (\$)	Fee Code			Fee (\$)																																																																																																																																																																													
1051		135	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																														
1052	60	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																															
2053	130	2053	130	Non-English specification																																																																																																																																																																															
1812	2,420	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																															
1804	920*	1804	920*	Requesting publication of AIR prior to Examiner action																																																																																																																																																																															
1805	1,840*	1805	1,840*	Requesting publication of AIR after Examiner action																																																																																																																																																																															
1251	110	2251	65	Extension for reply within first month																																																																																																																																																																															
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																															
1253	650	2253	475	Extension for reply within third month																																																																																																																																																																															
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																															
1255	1,210	2255	605	Extension for reply within fifth month																																																																																																																																																																															
1404	330	2401	165	Notice of Appeal																																																																																																																																																																															
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																															
1403	280	2403	145	Request for oral hearing																																																																																																																																																																															
1451	1,510	2451	1,510	Petition to institute a public use proceeding																																																																																																																																																																															
1452	110	2452	65	Petition to revive - Unavoidable																																																																																																																																																																															
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																															
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																															
1802	480	2502	240	Design issue fee																																																																																																																																																																															
1503	640	2503	320	Plant issue fee																																																																																																																																																																															
1460	135	2460	130	Petitions to the Commissioner																																																																																																																																																																															
1807	50	1807	50	Processing fee under 37 CFR 1.17(u)																																																																																																																																																																															
1808	180	1808	180	Submission of Information Disclosure Sheet																																																																																																																																																																															
9021	40	9021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																															
1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																															
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																															
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																															
1802	800	1802	800	Request for expedited examination of a design application																																																																																																																																																																															
1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> <td></td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>180</td> <td>2005</td> <td>60</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">SUBTOTAL (1) (\$)</p>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee		1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	180	2005	60	Provisional filing fee		2. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Total Claims</th> <th>Fee</th> <th>Fee</th> <th>Fee</th> </tr> </thead> <tbody> <tr> <td>Independent Claims</td> <td>20</td> <td>0</td> <td>18.00</td> <td>\$0.00</td> </tr> <tr> <td>Multiple Dependent</td> <td>3*</td> <td>0</td> <td>88.00</td> <td>\$0.00</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>65</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>290</td> <td>2203</td> <td>145</td> <td>Multiple Dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>86</td> <td>2204</td> <td>43</td> <td>Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> </tbody> </table> <p style="text-align: right;">SUBTOTAL (2) (\$)</p>	Extra Claims		Fee from below		Fee Paid	Total Claims	Fee	Fee	Fee	Independent Claims	20	0	18.00	\$0.00	Multiple Dependent	3*	0	88.00	\$0.00	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	65	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple Dependent claim, if not paid		1204	86	2204	43	Reissue independent claims over original patent		1205	18	2205	9	Reissue claims in excess of 20 and over original patent																																																																																
Large Entity		Small Entity		Fee Description			Fee Paid																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																
1001	770	2001	385	Utility filing fee																																																																																																																																																																															
1002	340	2002	170	Design filing fee																																																																																																																																																																															
1003	530	2003	265	Plant filing fee																																																																																																																																																																															
1004	770	2004	385	Reissue filing fee																																																																																																																																																																															
1005	180	2005	60	Provisional filing fee																																																																																																																																																																															
Extra Claims		Fee from below		Fee Paid																																																																																																																																																																															
Total Claims	Fee	Fee	Fee																																																																																																																																																																																
Independent Claims	20	0	18.00	\$0.00																																																																																																																																																																															
Multiple Dependent	3*	0	88.00	\$0.00																																																																																																																																																																															
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																															
1201	65	2201	43	Independent claims in excess of 3																																																																																																																																																																															
1203	290	2203	145	Multiple Dependent claim, if not paid																																																																																																																																																																															
1204	86	2204	43	Reissue independent claims over original patent																																																																																																																																																																															
1205	18	2205	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																															
* For number previously paid, if greater. For Reissues, see below.		* Reduced by Basic Filing Fee Paid																																																																																																																																																																																	
SUBTOTAL (3) (\$)		SUBTOTAL (3) (\$)																																																																																																																																																																																	

SUBMITTED BY		<i>Complete (if applicable)</i>	
Name (Print/Type)	Gregory D. Caldwell	Registration No. (Attorney/Agent)	39,926
Signature		Telephone	(503) 684-6200
		Date	11/24/03

Based on PTO/BB/17 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (M4) 08/1/2003.
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450